

WELL PLUGGING RECORD

15-163-21278-00-00

Give All Information Completely
 Make Required Affidavit

COUNTY Rooks SEC. 33 TWP. 8 RGE. 19 ~~E/W~~
 Location as in quarters or footage from lines:
NE/SW/NE

Locate Well
 correctly on above
 Section Platt.

Lease Owner Frontier Oil Co.
 Lease Name Lowry Well No. #1
 Office Address 1437 N. Franklin - Russell, Ks. 67665
 Character of Well (Completed as Oil, Gas or Dry Hole): Oil
 Date Well Completed _____
 Application for plugging filed _____
 Plugging commenced July 27, 1982
 Plugging completed August 4, 1982
 Reason for abandonment of well or producing formation
Depleted

Was permission obtained from the Conservation Division or it's
 Agent's before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Gil Balthazor
 Producing formation _____ Depth to top _____ bottom _____ T.D. 3436'
 Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

Casing Record

Formation	Content	From	To	Size	Put in	Pulled Out
				8 5/8"	243'	NONE
				4 1/2"	3434'	2109.59'

Describe in detail the manner in which the well was plugged, indicating where the mud
 fluid was placed and the method or methods used in introducing it into the hold. If cement
 or other plugs were used, state the character of same and depth placed, from _____ feet
 to _____ feet for each plug set.

Dumped sand to 3375' and four (4) sacks cement.
Shot pipe @ 2400', 2200' and 2100'.
Pulled fifty-four (54) joints of 5 1/2" casing.
Squeezed well with five (5) sacks hulls, fourteen (14) sacks
gel, one sack hulls, seventy (70) sacks cement, eight (8)
sakcs gel ---- release plug ---- seventy (70) sacks 50/50
pozmix cement with 6% added gel and 3% calcium chloride.

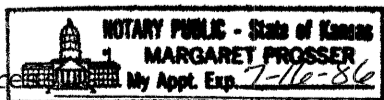
(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Rockhold Engineering, Inc.

STATE OF KANSAS COUNTY OF BARTON, ss.
James W. Rockhold (employee of owner) or (owner or operator) of the
 above-described well, being first duly sworn on oath, says: That I have knowledge of the
 facts, statements, and matters herein contained and the log of the above-described well as
 filed and that the same are true and correct. So help me God.

(Signature) James W. Rockhold
 JAMES W. ROCKHOLD - Box 698 - Great Bend,
 (Address) Ks. 67530

SUBSCRIBED AND SWORN TO before me this 12 day of August, 1982



My Commission expires _____

Margaret Prosser
 Notary Public.

RECEIVED
 STATE CORPORATION COMMISSION
 AUG 13 1982
 CONSERVATION DIVISION
 Wichita, Kansas

#1 Lowry

DRILLERS LOG

15-1163-21278-00-20

CASING RECORD: 8 5/8" @ 243' w/170 sx cmt
 COMPANY: Frontier Oil Company
 CONTRACTOR: Red Tiger Drilling Company
 COMMENCED: March 31, 1981
 COMPLETED: April 15, 1981
 TOTAL DEPTH: 3436
 DESCRIPTION: NE SW NE Sec.33-8S-19W Rooks County, Kansas
 ELEVATION: 2002 KB

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Shale	0	255	
Shale w/Sand Streaks	255	900	
Sand	900	1148	
Shale & Red Bed	1148	1414	
Anhydrite	1414	1453	
Shale	1453	1565	
Shale w/Red Bed Streaks	1565	1875	
Shale	1875	2341	
Shale & Lime Streaks	2341	2488	
Shale & Lime	2488	2631	
Shale w/Lime Streaks	2631	2794	
Lime	2794	3420	
Lime, Red Bed & Shale	3420	3436	
RTD		3436	

RECEIVED
 STATE CORPORATION COMMISSION
 FEB 17 1982
 CONSERVATION DIVISION
 Wichita, Kansas
 2/17/82

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

George A. Angle

Subscribed & sworn to before me this 1st day of June, 1981.

Jean Stocks
Notary Public



My Commission Expires: 5-14-85

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

S. 33 T. 8S R. 19W E W

Loc. NE/4 SW/4 NE/4

API No. 15 - 163 - 21,278 - RECEIVED STATE CORPORATION COMMISSION

Operator

Frontier Oil Company

FEB 17 1982 2/17/82

Address

1720 KSB Building, Wichita, Kansas 67202 CONSERVATION DIVISION

Well No.

1

Lease Name

Lowry

Wichita, Kansas

Footage Location

990 feet from (S) line 990

feet from (W) line SW/4 NE

Principal Contractor

Red Tiger Drilling Company

Geologist

Richard Parker

Spud Date

3/31/81

Date Completed

4/16/81

Total Depth

3,436'

P.B.T.D.

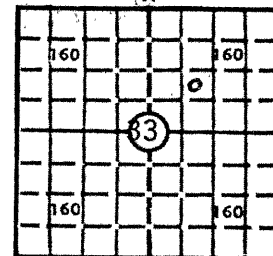
Directional Deviation

n/a

Oil and/or Gas Purchaser

n/a

640 Acres N



Locate well correctly

Elev.: Gr.

DF KB 2,002'

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8 5/8"	24#	243'	Common	170	3% C.C., 2% Gel
Production	7 7/8"	4 1/2"	10.5#	3,434'	Common	200	10% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
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TUBING RECORD					
Size	Setting depth	Packer set at			
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ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal 15% INS	3434-3436

INITIAL PRODUCTION

Date of first production TA 5-6-81	Producing method (flowing, pumping, gas lift, etc.) RETAINED FOR FUTURE SWDW				
RATE OF PRODUCTION PER 24 HOURS	Oil ----- bbls.	Gas ----- MCF	Water ----- bbls.	Gas-oil ratio ----- CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval (s) -----		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator

Frontier Oil Company

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:

TA/FUTURE SWDW

Well No.

1

Lease Name

Lowry

S 33 T 8S R 19W E
W

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN,
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Shale	0	255		
Shale w/Sand Streaks	255	900		
Sand	900	1148		
Shale & Red Bed	1148	1414		
Anhydrite	1414	1453		
Shale	1453	1565		
Shale w/Red Bed Streaks	1565	1875		
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Lime	2794	3420		
Lime, Red Bed & Shale	3420	3436		
RTD		3436		

USE ADDITIONAL SHEETS, IF NECESSARY TO COMPLETE WELL RECORD.

Date Received

George A. Angle
Signature

Owner

Title

6-1-81

Date